

EMERGENCY SHELTER STRUCTURE

ABSTRACT OF THE DISCLOSURE

A shelter structure is disclosed having a substantially dome-shaped frame comprising a plurality of flexible resilient poles maintained under tension in substantially arcuate shape. The poles are arranged in intersecting relationship and form a plurality of pole crossings. Opposite ends of the poles terminate in a common plane such as the ground or a base. The pole arrangement creates a plurality of adjacent four-sided openings having pole crossings as vertices and sections of poles as sides. A plurality of tension harnesses interconnect diagonal vertices of adjacent openings, thereby providing strength and rigidity to the structure. The frame defines an interior volume and a membrane or covering is connected to the frame to substantially shelter the interior volume.

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